

GAGAN KUMAR S

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SOFTWARE ENGINEER – BACKEND DEVELOPER

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EMPLOYMENT

Specialist Programmer **INFOSYS Ltd.** **Sept 2020 – Sept 2023**

- Developed a dynamic application framework, capable of configuring data processing and visualisation widgets. Designed dynamic components that reduced backlogs by 70%, increasing user configurability.
- Reliability** - Spearheaded development of a critical data pipeline that processes 2.5M+ records daily, with availability rate of 99.9%.
- Improved** the data processing system to be more efficient and robust, using Kafka queueing and streaming of data over GRPC, making the system resilient to peak demand periods
- Optimized** data caching strategy with Redis in backend, contributing to 30% relief on resource utilization.
- Global Success** – Application now caters to 10+ global clients and manages tens-of-thousands of users monthly, successfully achieving a 95% customer satisfaction rate.
- TOP 1%** - Part of the most aspired track within the organisation, [Power Programmers @ Infosys](#)
- Supervised group of 5 juniors and assisted them to build up to the project requirements, contributing to the growth within the organization.

Software Engineer, Intern **V2Soft Ltd.** **Jul 2019 – Sep 2019**

- Developed an E2E automated testing tool suite using Selenium, Python, reducing testing time by 50%.
- Led a 6-member team in the successful execution of the project, surpassing management's expectations.

Junior Programmer Intern **Tequed Labs** **Jun 2018 – Aug 2018**

- Collaborated with their R&D Team to release a significant feature within 3 months.
- Received a certificate of excellence and award for best performance during the internship period.

SKILLS

- | | | | |
|---------------|-----------------|-------------------|-----------------------|
| ✓ Java | ✓ REST APIs | ✓ SQL Databases | ✓ Integration Testing |
| ✓ Spring Boot | ✓ Kafka | ✓ Data Structures | ✓ Contract Testing |
| ✓ Python | ✓ Redis | ✓ Problem Solving | ✓ End to End Testing |
| ✓ Algorithms | ✓ System Design | ✓ Design Patterns | |

PROJECTS

- Ghost Car** (2020). Fully functional model of a Level 4 Autonomous Car. OpenCV, ML, Raspberry Pi. [Details](#)
- ITMS** (2019). Traffic management solution with dynamic traffic density sensing, emergency vehicle clearance and auto toll collection.
- AgriCloud** (2018). IoT based solution to track agricultural soil and water metrics. Presented and won at several hackathons. Arduino, Data Analysis, Java [Details](#)

EDUCATION

Masters of Science in CS **Scaler Neovarsity** **2024 - Present**

- Currently pursuing a remote advanced program in Computer Science accredited by [EHEA](#).
- Achieving a qualification with [EQF Level 7](#) accreditation and earning a total of 90 ECTS credits.

Bachelor of Engineering in CS **SJB Institute of Technology** **2016 - 2020**

- Graduated successfully with First Class with Distinction scores under VTU

ACHIEVEMENTS

- Solved 1,000+ competitive coding problems and earned 17 badges on platform [Leetcode](#) and [Scaler](#).
- Secured third-place position in a 24-hour state level hackathon.
- Presented at a State Level Mentoring Session for Building PoCs, organized by Innovation Cell Ministry of HRD, Govt. of India.
- Authored multiple research papers, including a publication on autonomous vehicles featured in the International Journal of Engineering and Applied Science and Technology ([IJEAST Vol.5 Issue 3](#))